# WS620E Wifi IP PHONE
# Technical Manual

Content

## 1. General Comments

ESCENE had bright out WS620E wifi ip phone for corporate customer. It provide wireless network to meet the high-end customers high avaiability demand and efficient work.

WS620E IP Phone is a fashionable, beautifully shaped and high-tech product. Its excellent speech quality gives you an unprecedentedly comfortable talking and its rich function keys make the operation very convenient. One key dial can be easily achieved with proper settings. 4.3" high resolution LCD displayer provides you a friendly user interface. Benefit from which, more detail information can be displayed. With the help of the integrated browser, users can access any XML based information, and extend more commercials.
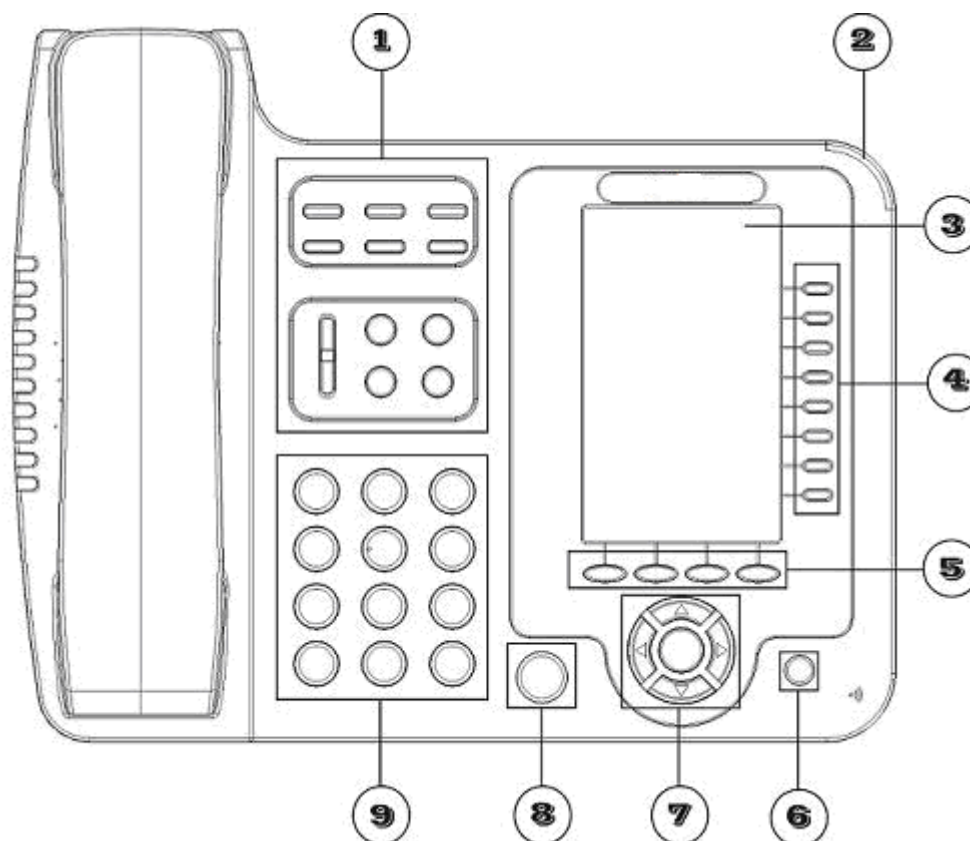
WS620E IP Phone support multi account registering and multi call management. Call Waiting, Call Queuing and Call Forward can be well implemented; meanwhile, it makes conference to be created very quickly. No matter how busy the calls will be, WS620E IP Phone can easily satisfy the requirement.

WS620E IP Phone supports 6 extend modules that totally contain 192 programming buttons. With the Busy Lamp Field（BLF）and Lines Share(BLA) function, operators can manage and monitor the calls more efficiently. It provides headset jack that compatible with professional microphone headsets, which will finely satisfy the call centre**.**
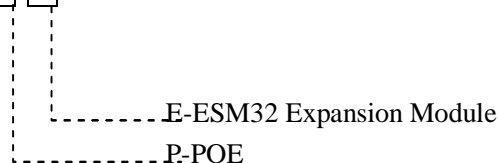
## 2. Product Appearance and models

（1）Product Appearance



① Function Key(Simple, convenient, fast)
② Call instructions light
③ Screen display（4.3" high resolution, Caller info, Phone status, etc）
④ Line Keypad（Line Status, Line Switch, Speed Dial, Call Queuing）
⑤ Software keypad(Operation screen shortcut, Speed Dial, Call Queuing)
⑥ Delete key
⑦ Navigation keypad(arrow keys, shortcut keys, determine key)
⑧ Hands-free key
⑨ Dial keypad(Figures, Chinese alphabet, English alphabet)

- n Function keys include**:** closed-tone button, message button, directories ,menu button, conference button, transfer key, redial key, hold key, service button.
- n Navigation key areas：up, down, left, right, confirm key. The down key "missed call list" shortcut key, the left key "received calls list" shortcut key, the right key "telephone list" shortcut key.

（2）**Model Rules Desciption**

**WS620 -P E**

E-ESM32 Expansion Module
P-POE

## 3.　Product Features:

| **4.3"High Resolution Screen**
480*272 Pixel high resolution color LCD gives you a sharp visual impact. Benefit from the high resolution LCD, pictures can be displayed clearly, which may give convenience in customizing advance applications.

| **Clear Voice**
WS620E series through the unique voice processing technology that enables voice calls for more clarity and realistic, and communication more fluid.

| **Advance Call Process**
Support 8 lines queuing, Call Sharing/Bridged Lines, multi programming function buttons and Speed Dial buttons.

| **Enterprise Address Book Application**
Support business contacts and the private phone book applications, to help users quickly find the number and a key to call.

| **Value-added business applications**
WS620E series of phone can make use of Extensible Markup Language (XML) to quickly access the server Web-based information access through the telephone can be easily customized features or operating business enterprise.

| **Extend Modules**
Supports 6 extend modules that totally contain 192 programming buttons. With the Busy Lamp Field function, operators can manage and monitor the calls more efficiently.

| **PoE Support and AC power adapter**
| **Support HTTP/TFTP/FTP Auto-provision /TR069 upgrade software**

## 4.　Technical Features:

| **Item** | **WS620E** |
|---|---|
| **Screen** | High-definition color LCD with Background light |
| | 480*272 pixel |
| **Line** | 8 lines |
| **Language** | English，Chinese |
| **Function Keys** | 4 soft keys, 8 Line keys |

| | |
|---|---|
| | 6 Navigation keys(Arrow button, OK button, C button) |
| | Volume adjust, Hands-free, Mute, Headset, Message, Menu |
| | Directory, Service, Hold, Redial, Conference, Transfer |
| **VoIP protocol** | SIP 2.0 |
| **Network Protocol** | HTTP , BOOTP , FTP , TFTP , IEEE 802.1Q , *IEEE 802.1X |
| **Codec** | G.723.1 , G.729 A/B , G.711 A/U , G.722 |
| **QoS** | TOS，Jiffer Buffer，VAD，CNG，G.168 (32ms) |
| **Netwrok** | 10/100M Wireless network Interfaces<br>2×RJ45 10/100M Ethernet Interfaces (LAN/PC)<br>DNS Client, *VPN(L2TP), VLAN |
| **Speech** | HD Codec, HD Handset<br>Handle, Headset and Hands-free mode available<br>Support call centre headsets and PC headsets<br>Separated 9 Level Volume Adjustment |
| **Call Processing** | Line Status Indicator Multi Account<br>Always Forward, Busy Forward, No-answer Forward<br>Hotline number (Immediately/Delay)<br>Call Waiting, Call Queuing, Line Switching<br>Call Forward, Call Transfer, Call Holding, Call Pickup, *Callback<br>One Key Dial, Redial<br>Phone directory speed dial, call record direct dial<br>3-way conference<br>DnD, *Blacklist<br>Voice mail, Voice Prompt, Voice Message<br>BLF, BLA |
| **Expansion Interface** | EXT: ESM32 programmable Key module<br>*USB port |
| **Application** | Public phone directory<br>Private phone directory<br>* Built-in browser to access the server through the web information |
| **Security** | Login LCD by password<br>Login the website by password<br>Signaling encryption<br>Media encryption |
| **Management** | Upgrade: HTTP/TFTP/FTP Auto-provision/TR069<br>Configurations: Phone/HTTP/Auto-provision/TR069<br>Debug: Telnet/Phone/Web |
| **Power Supply** | Power adapter:AC100~240V input and DC12V/1A output<br>PoE (IEEE 802.af) |
| **Specifications** | Storage Temperature:0℃ ~ 60℃<br>Operating Humidity:10% ~ 90%<br>Size:287mm*214mm*90mm<br>Net Weight:1.37kg |

| | |
|---|---|
| **Package Features** | Qty/CTN:10 PCS |
| | N.W/CTN:13.7kg |
| | G.W/CTN:14.2kg |
| | Measurement:0.081CBM |
| | Carton Meas: 470mm*450mm*290mm |
| **Certifications** | CE，FCC, RoHS |

**Note: "*" Sign means function has not been published yet.**

ESCENE

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Web: http://www.escene.cn

Tel: (+86)20-28096798

Fax: (+86)20-28096786

Address: Floor 4 Building C YueAn Industrial Park No.54 Huangcun Road Tianhe District Guangzhou China

GUANGZHOU ESCENE COMMUNICATION CO.,LTD.